

ABSTRACT

A pick mechanism includes a hinged pick arm which moves between a retracted position and a varying, operative position. The pick arm is anchored about a pivot axis and hinged along its length. Rotation of a pick roller along the arm while in contact with a media sheet induces a moment on the pick arm causing the pick arm to pivot and hinge. A first stop limits the pivoting motion. A second stop limits the hinging motion. Such pivoting and hinging is desirable to create an effective normal force enabling reliable picking of thick media sheets. Such motions are limited to prevent the pick roller from translating too far from a media separation ramp. If the pick roller translates too far, undesirable media buckling may occur during the pick operation.